

FIG. 1

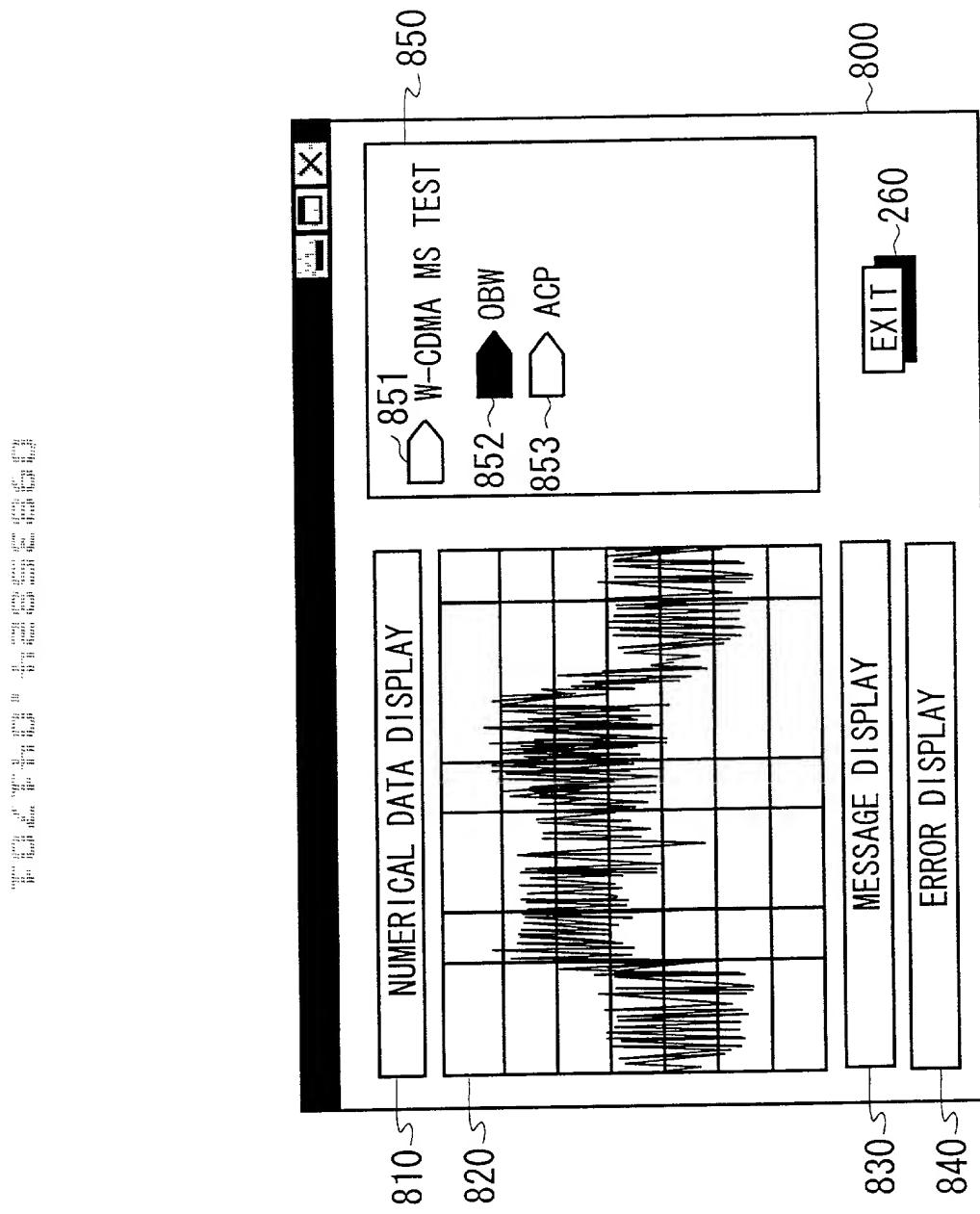


FIG. 2

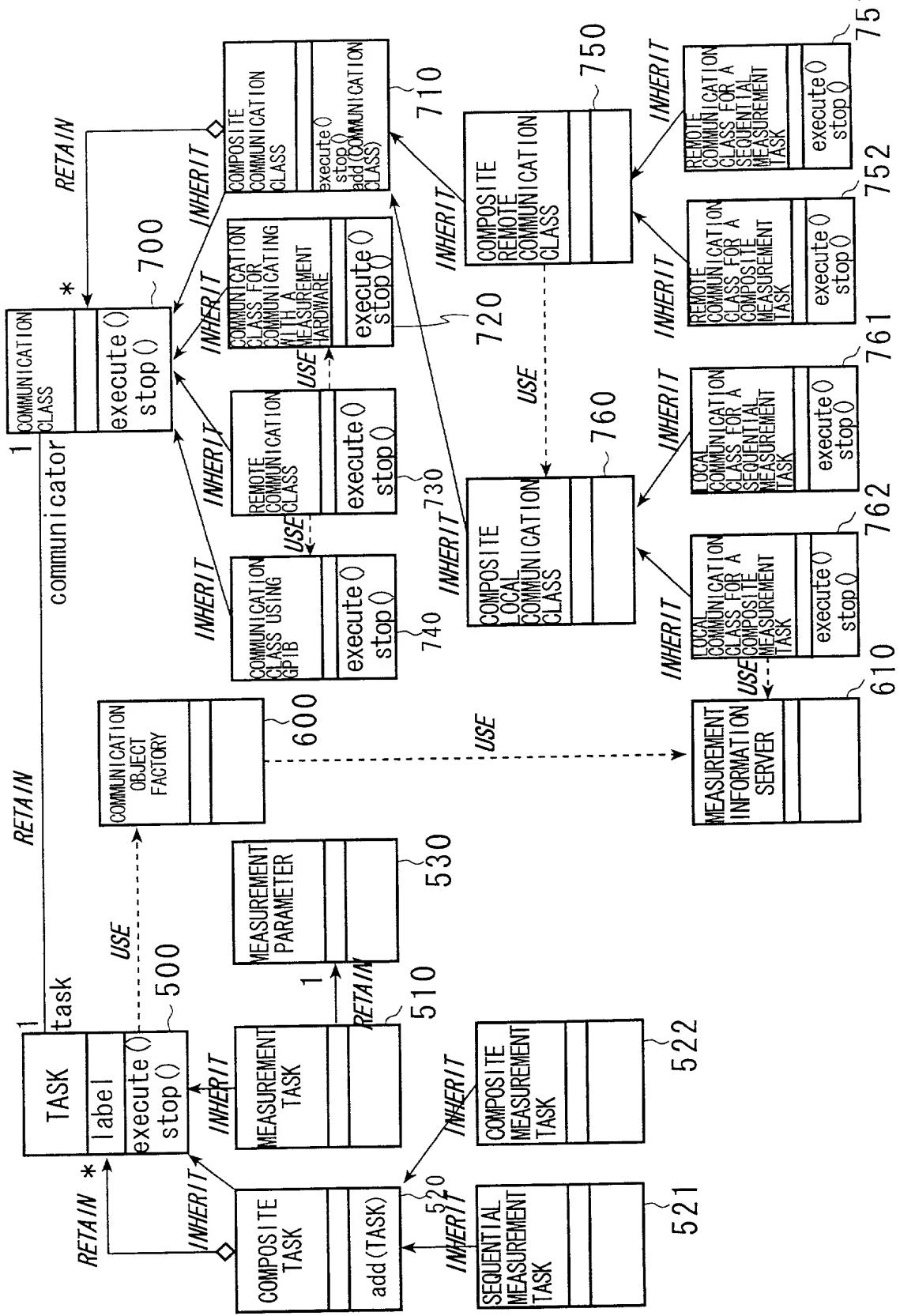


FIG. 3

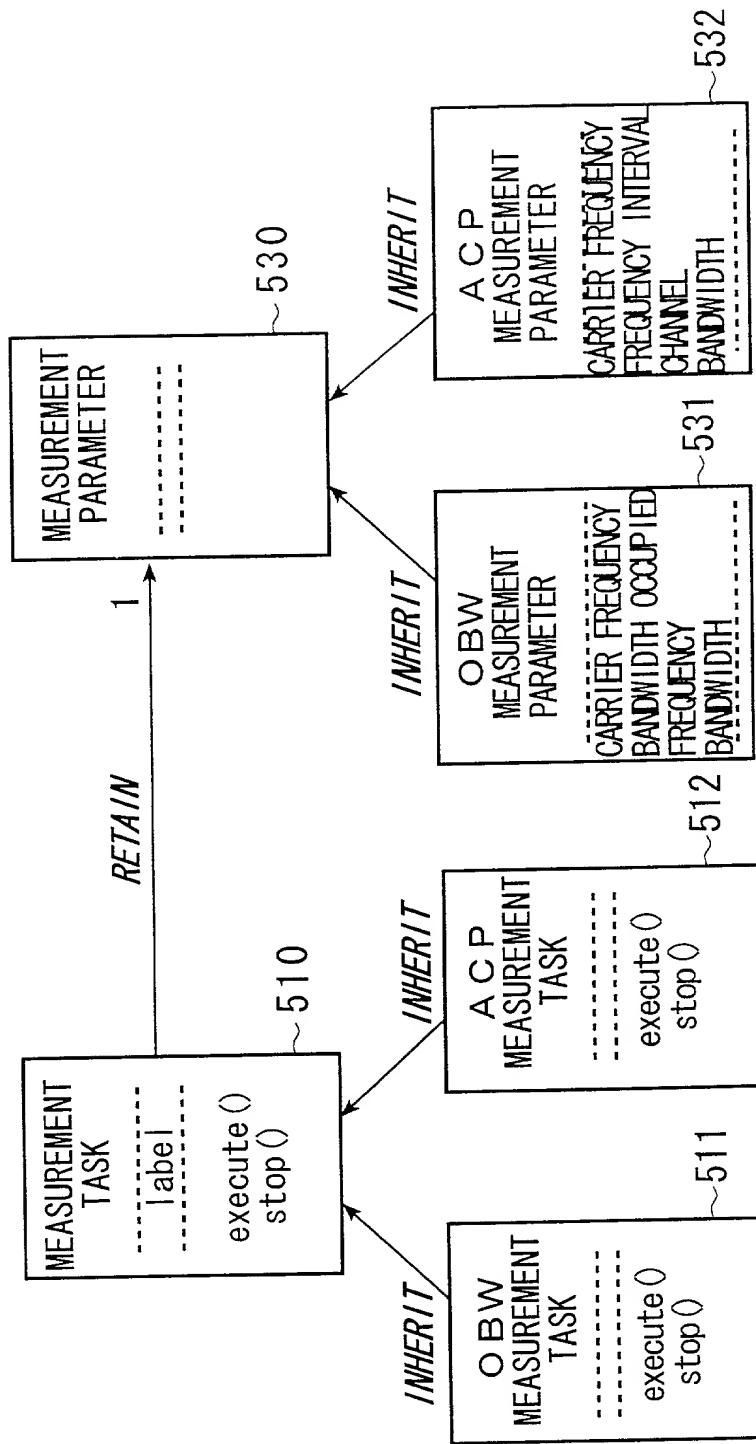


FIG. 4

object oriented design - class hierarchy diagram

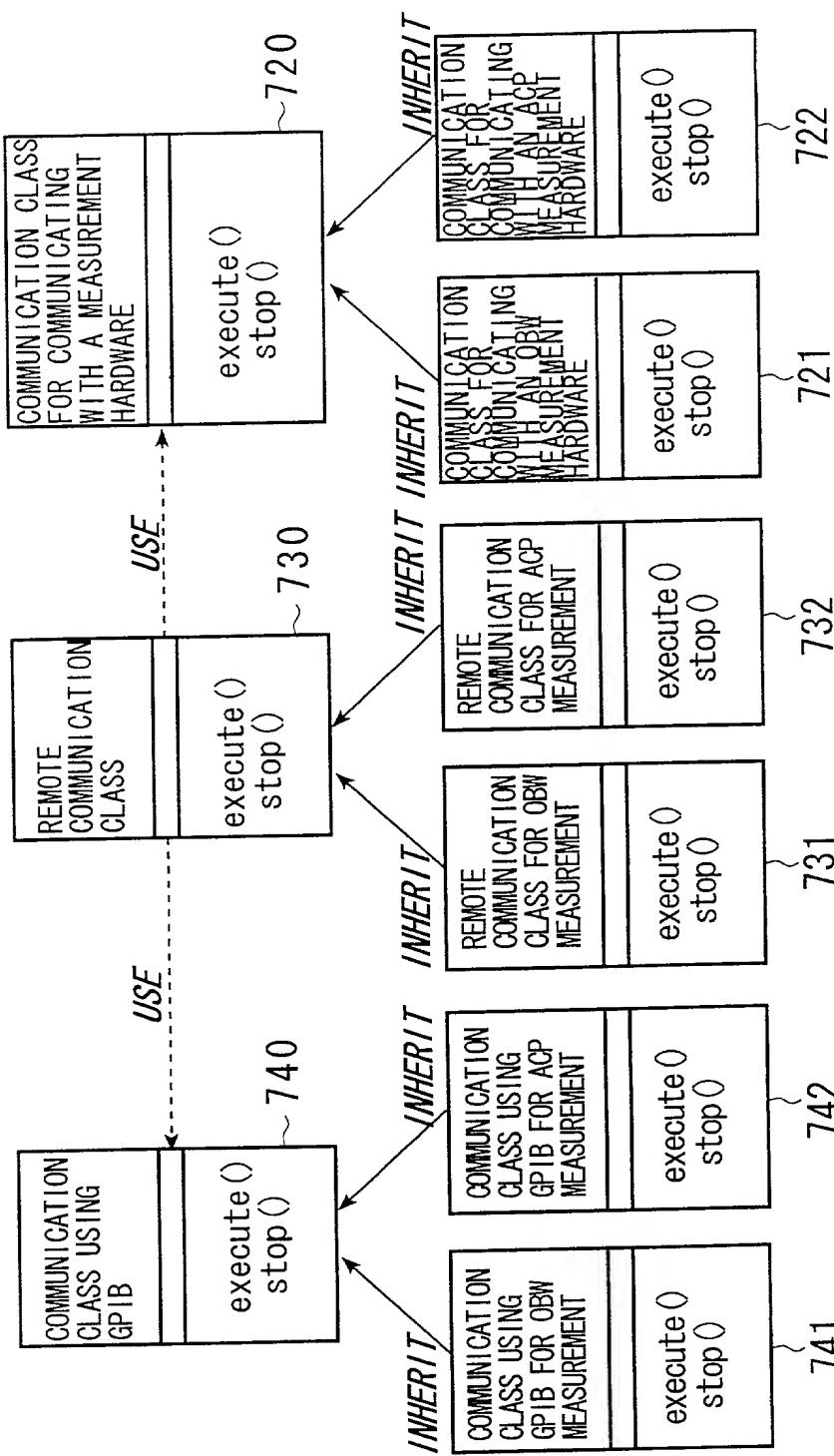


FIG. 5

```

0: try{
1:   GENERATE COMPOSITE MEASUREMENT TASK
2:   GENERATE O BW MEASUREMENT TASK
3:   SETUP MEASUREMENT PARAMETER ON OBW MEASUREMENT TASK
4:   GENERATE A C P MEASUREMENT TASK
5:   SETUP MEASUREMENT PARAMETER ON A C P MEASUREMENT TASK
6:   ADD O BW MEASUREMENT TASK TO RETAINING RELATION OF COMPOSITE MEASUREMENT TASK
7:   ADD A C P MEASUREMENT TASK TO RETAINING RELATION OF COMPOSITE MEASUREMENT TASK
8: }
9: catch(STORE TASK EXCEPTION INFORMATION TO VARIABLE E) {
10:   TASK EXCEPTION HANDLING
11: }

```

FIG . 6

200
100

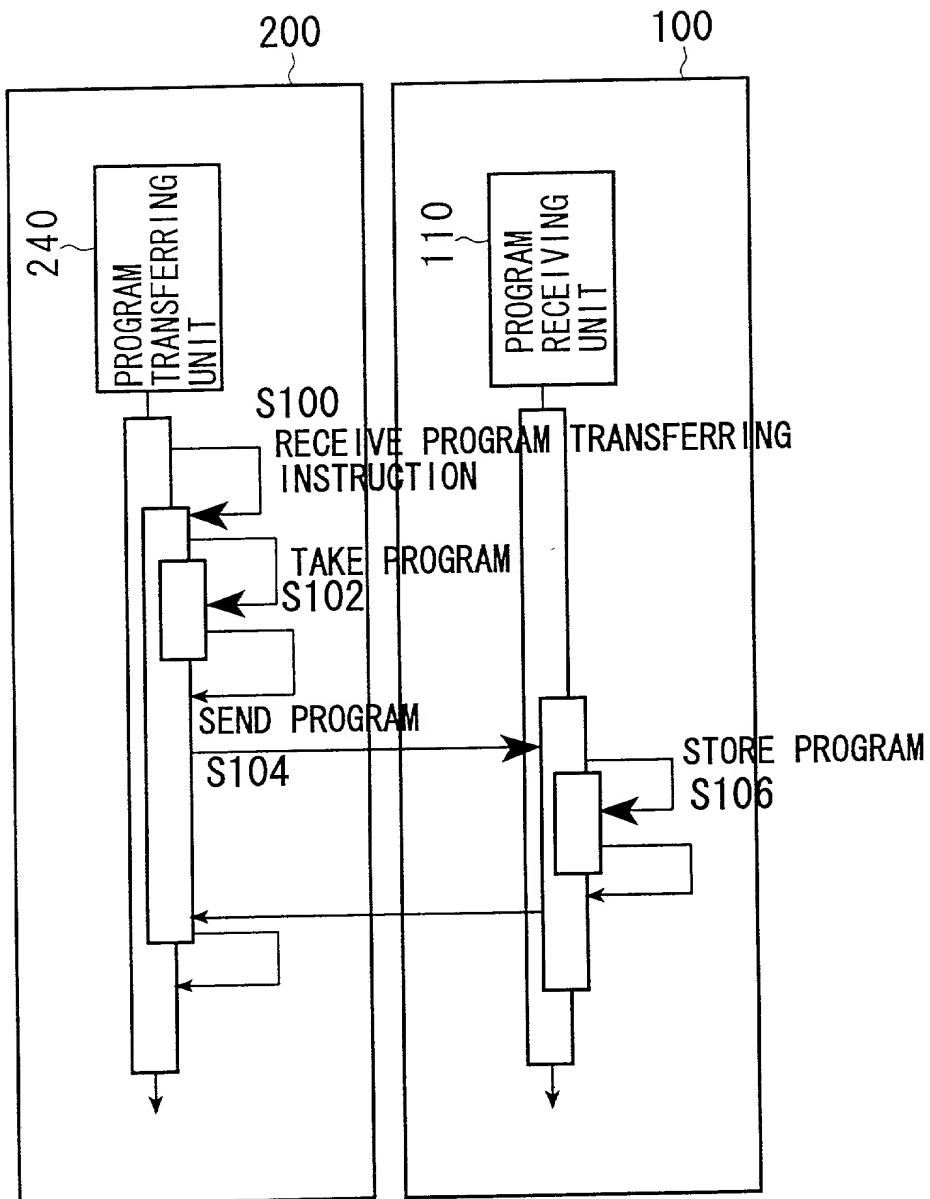


FIG. 7

200

100

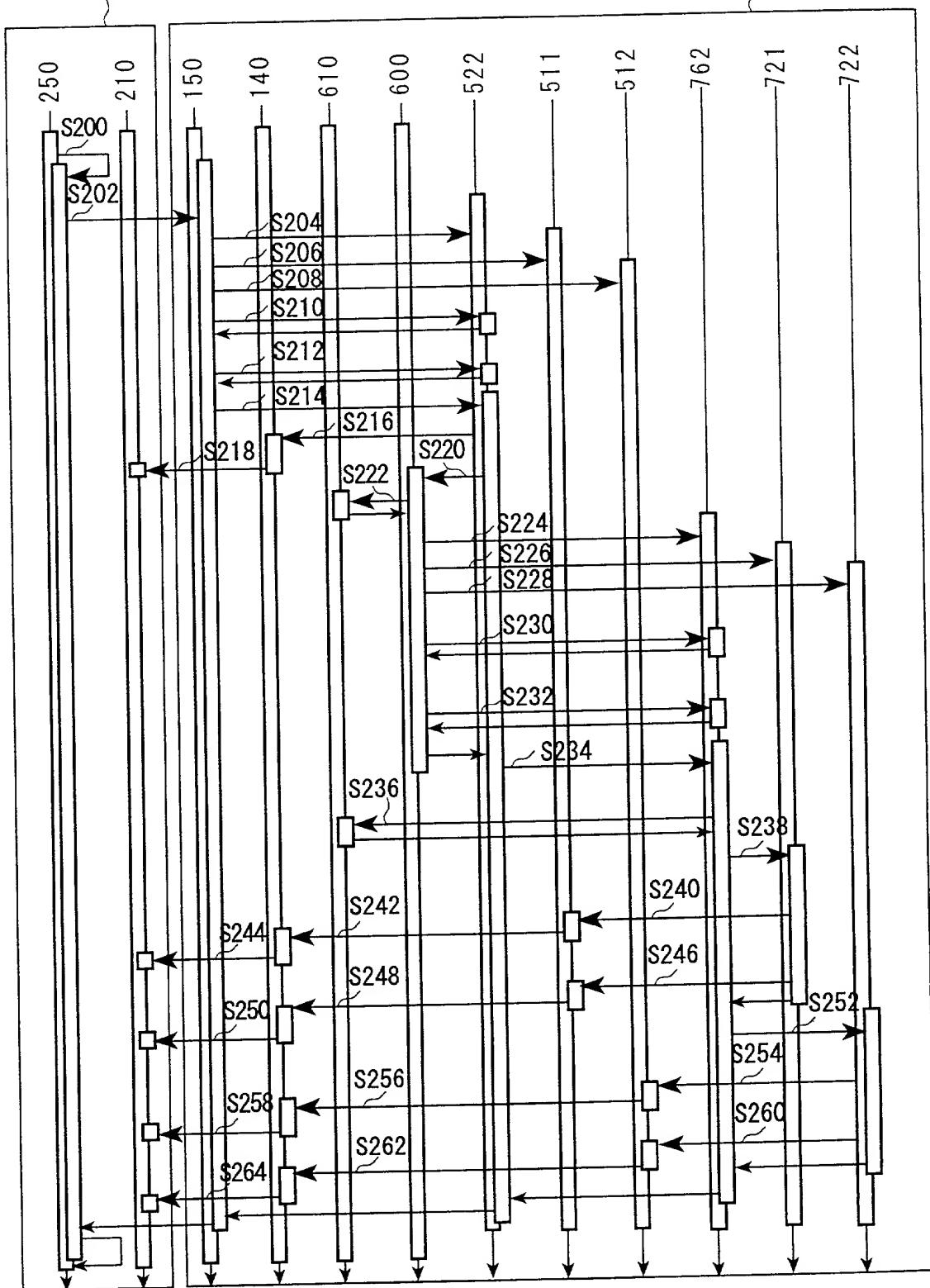


FIG . 8

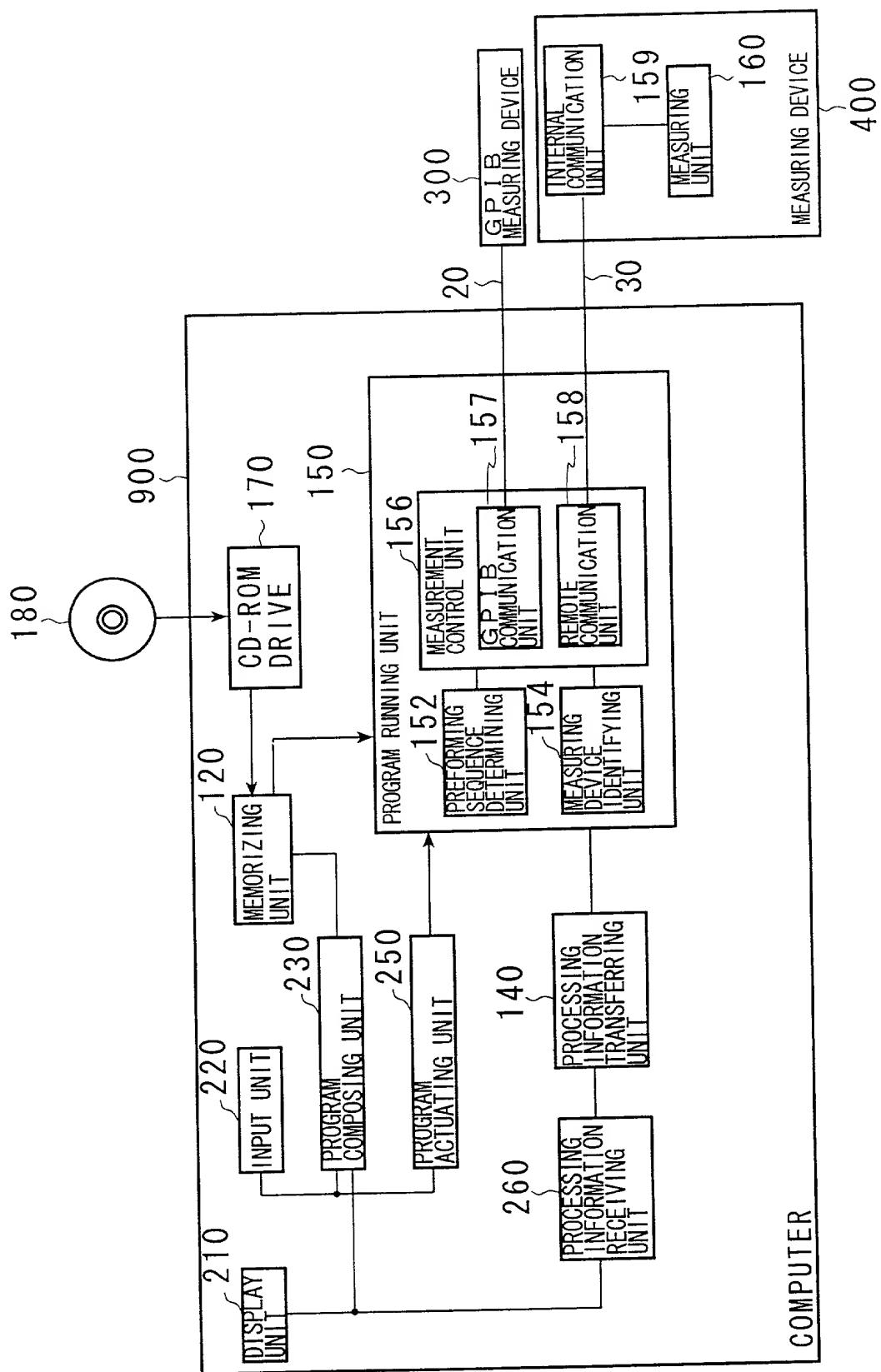


FIG. 9

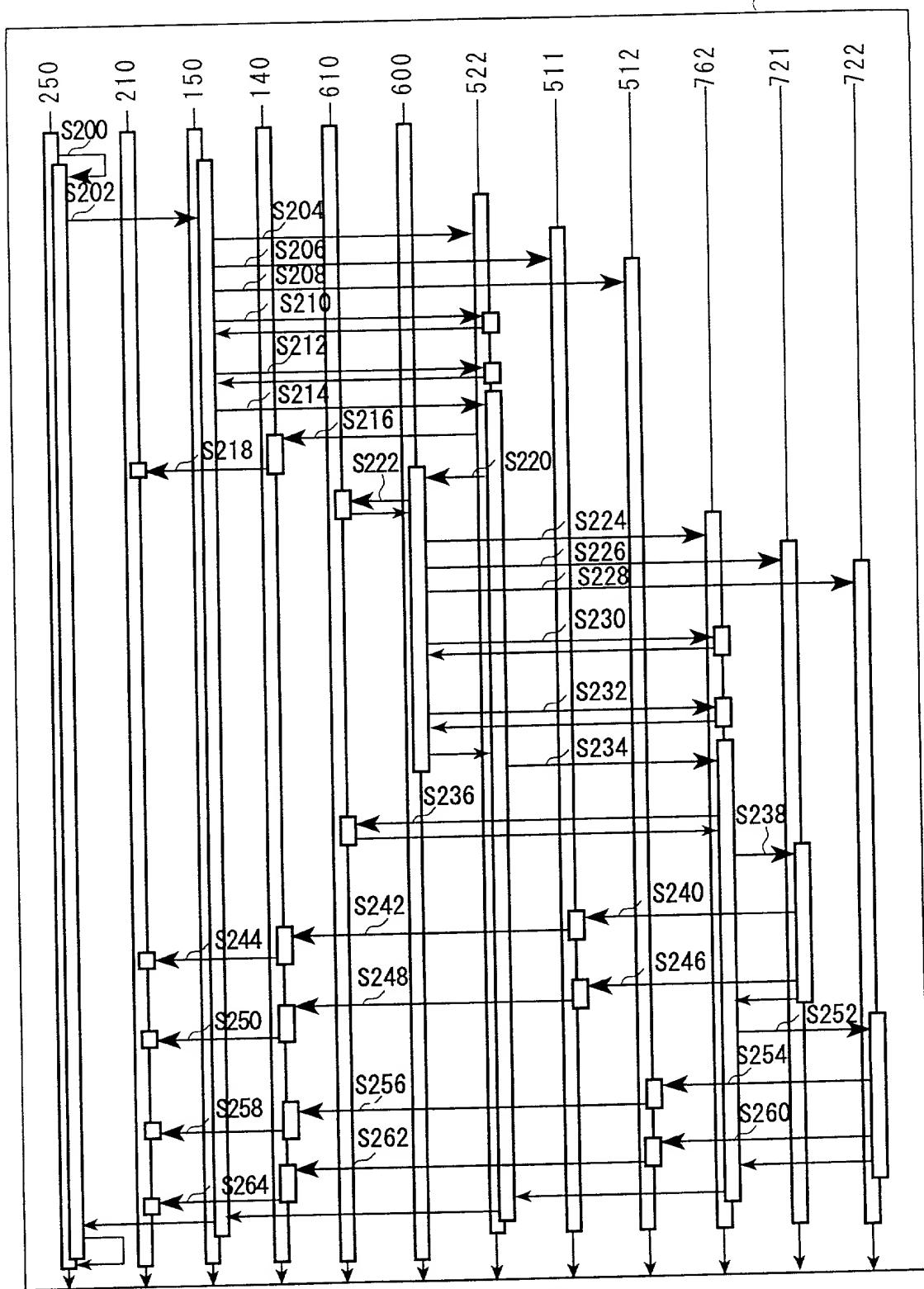


FIG . 10

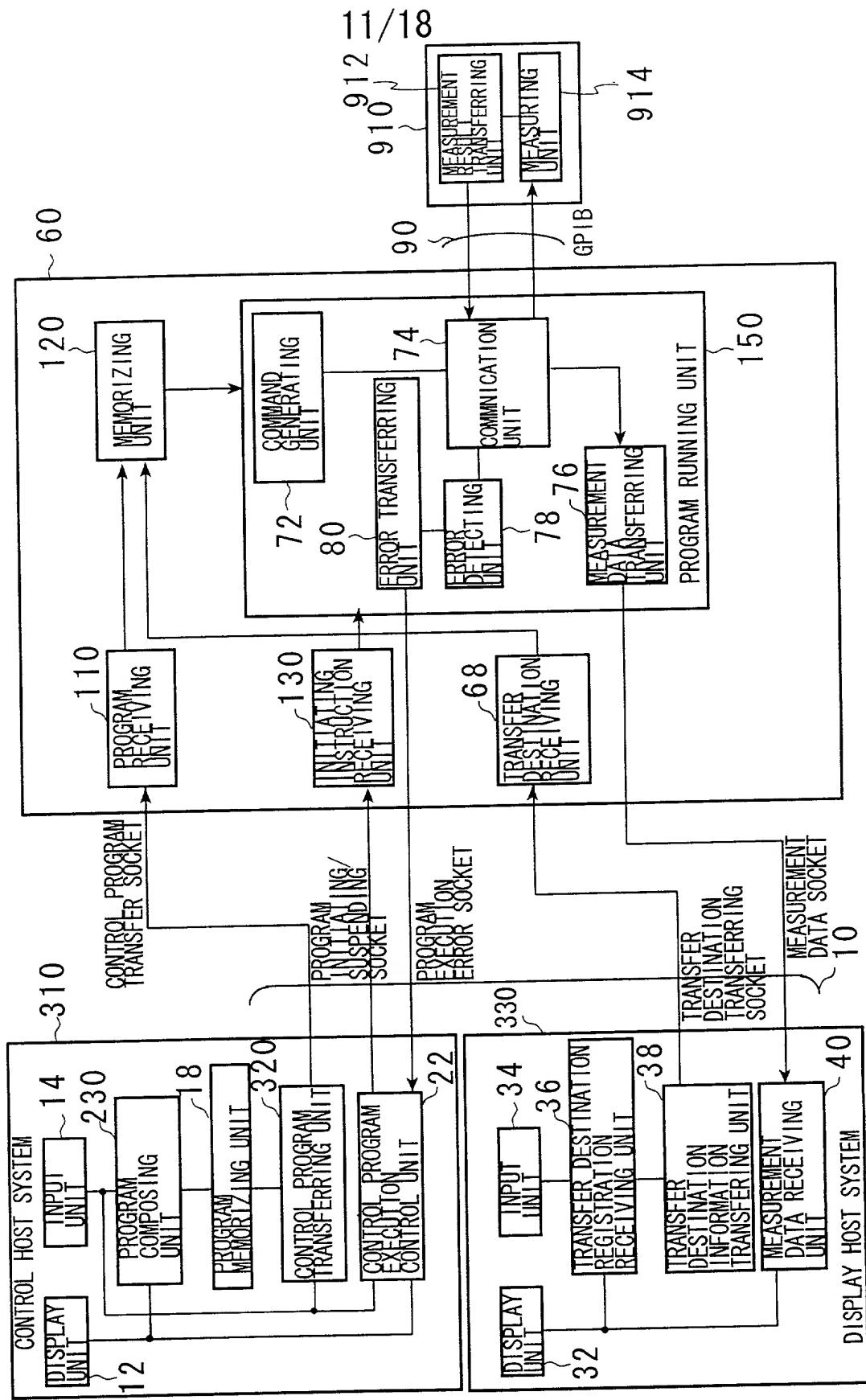


FIG . 11

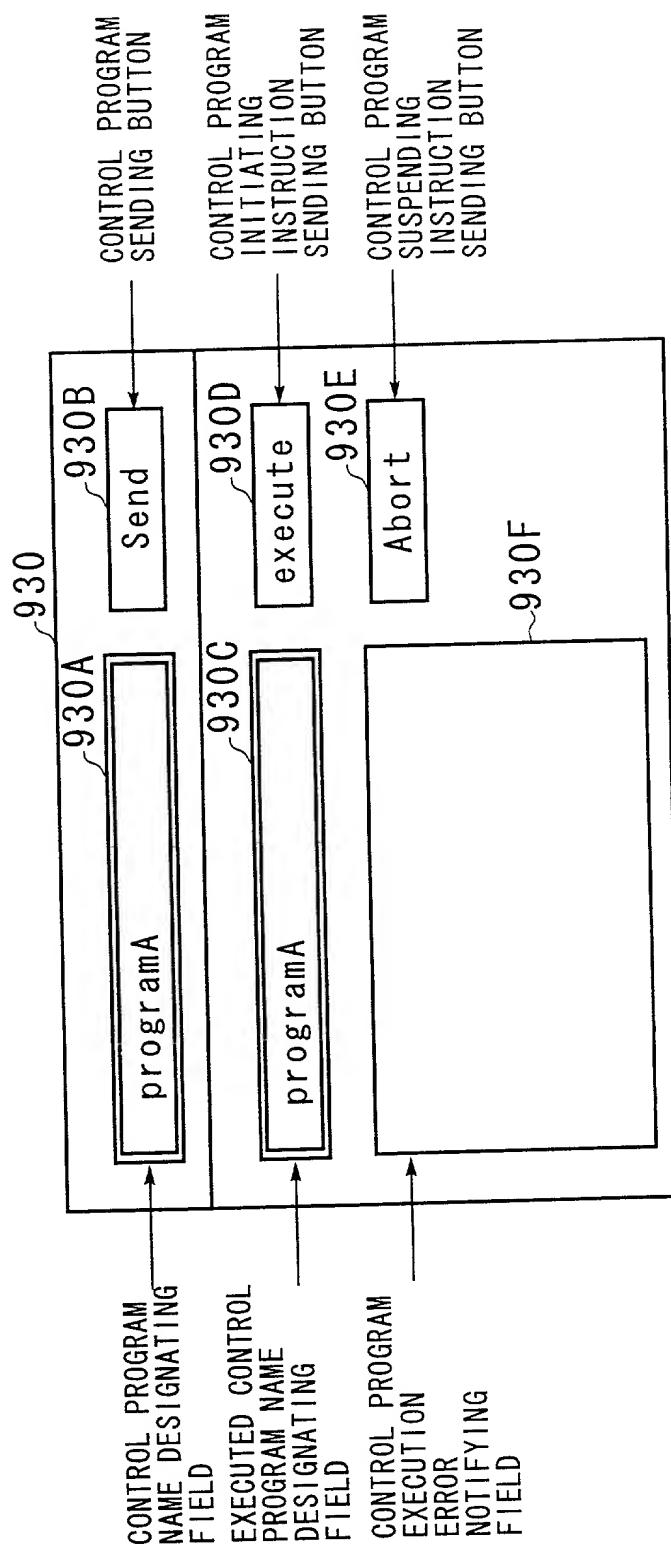


FIG . 12

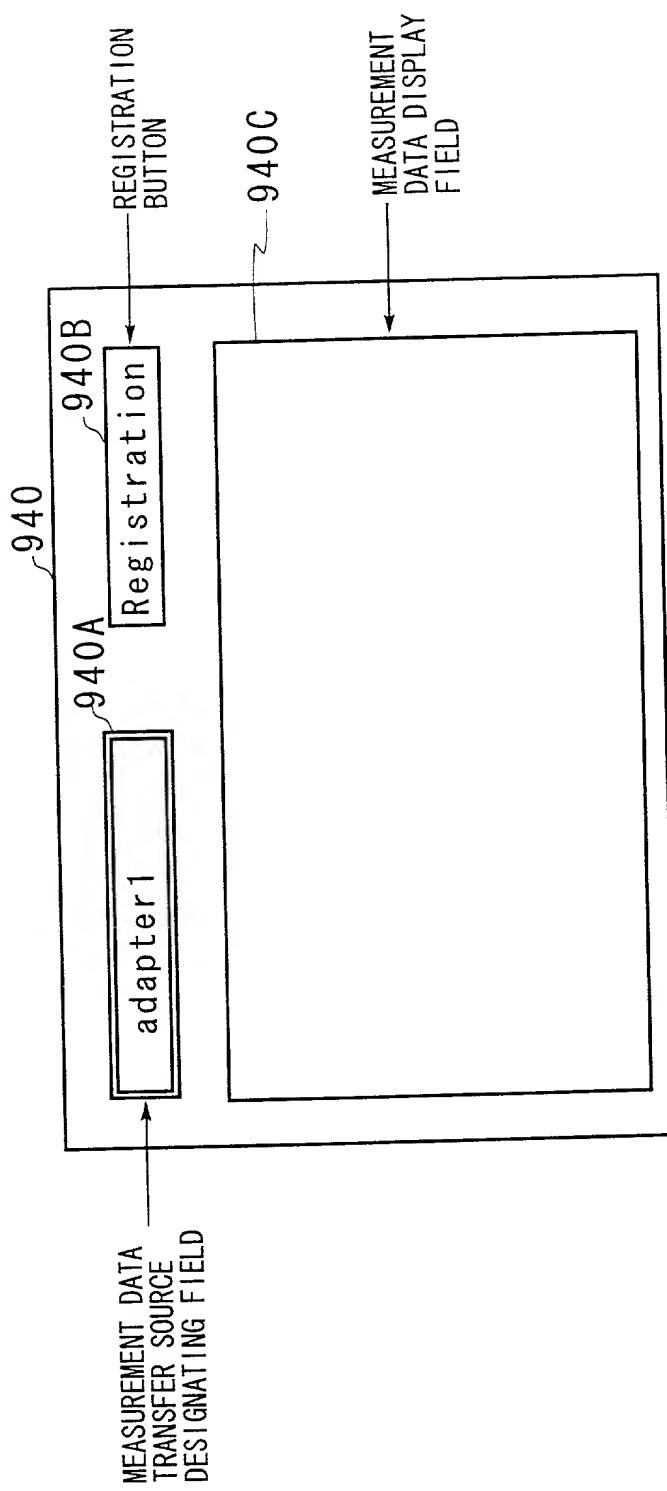


FIG . 13

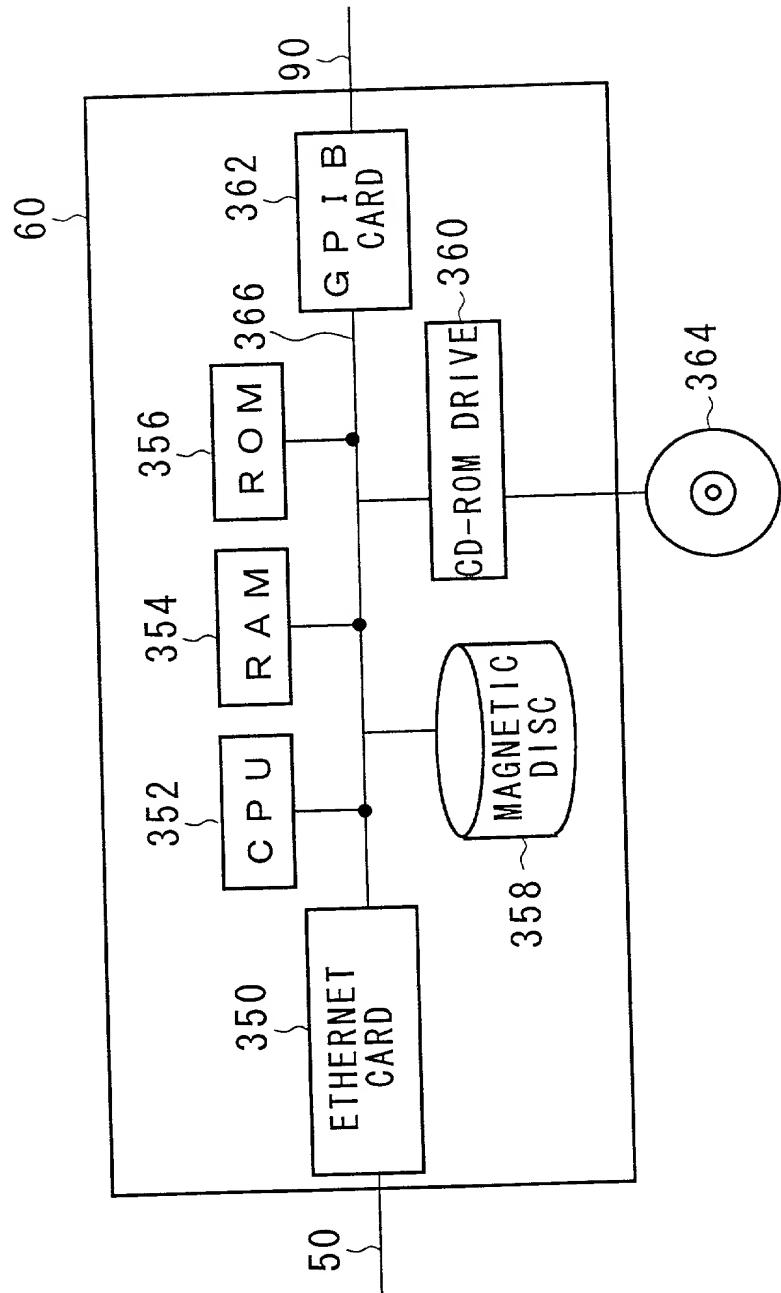


FIG . 14

```

public class program
{
    O BWmeasurement obw;
    A CPmeasurement acp;
    dataTransportation dt;
    program()
    {
        P1: GENERATE OBW MEASUREMENT → obw = new OBWmeasurement();
        OBJECT
        P2: GENERATE ACP MEASUREMENT → acp = new AC Pmeasurement();
        OBJECT
        P3: GENERATE → dt = new dataTransportation();
        MEASUREMENT DATA
        TRANSFER OBJECT
        P4: PARAMETER SETUP → { obw.setCenter(918573500);
        obw.setSpan(4000000);
        obw.setBandRatio(99);
        acp.setChannelBandWidth(1250000);
        acp.setChannelSpacing(1250000);
        }
        P5: PROCESS TO BE PERFORMED → public boolean execute()
        {
            obw.startMeasurement();
            acp.startMeasurement();
            dt.transport(obw.getData());
            dt.transport(acp.getData());
            return True;
        }
        P6: TRANSFER MEASUREMENT → public static void main(strinf args[])
        DATA OBJECT
        {
            program meas = new program();
            meas.execute();
        }
    }
}

```

FIG . 15

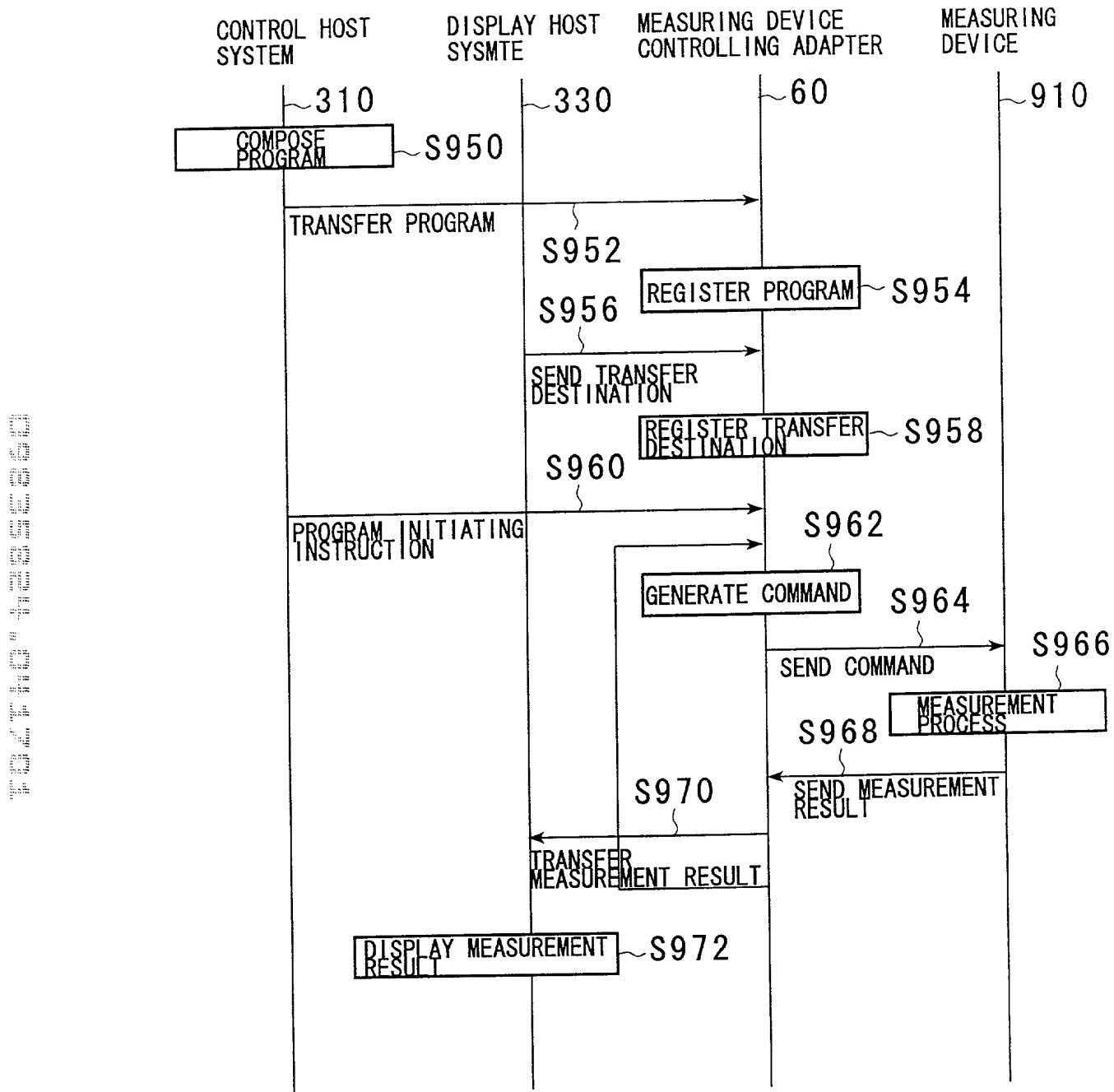


FIG . 16

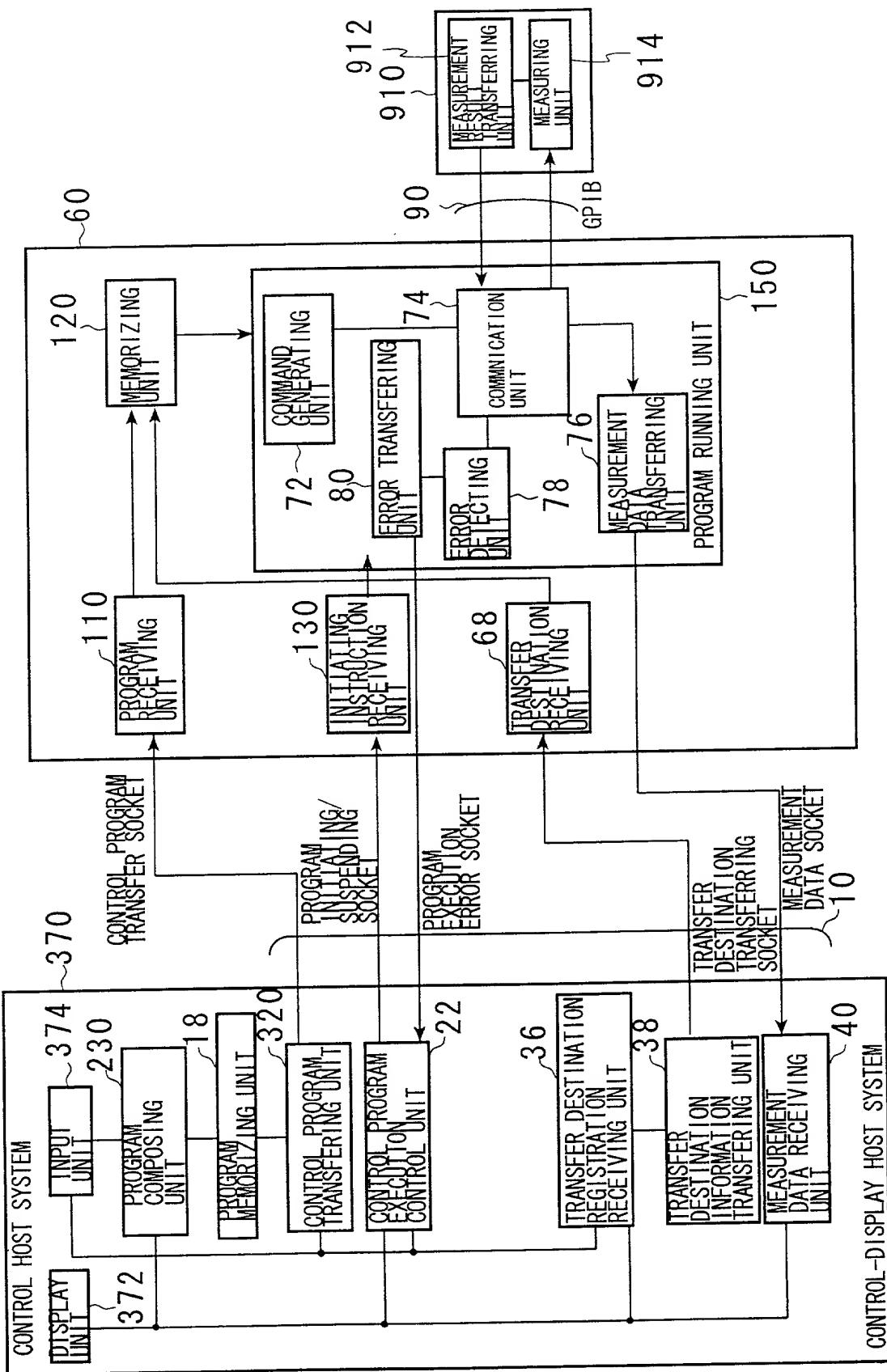


FIG. 17

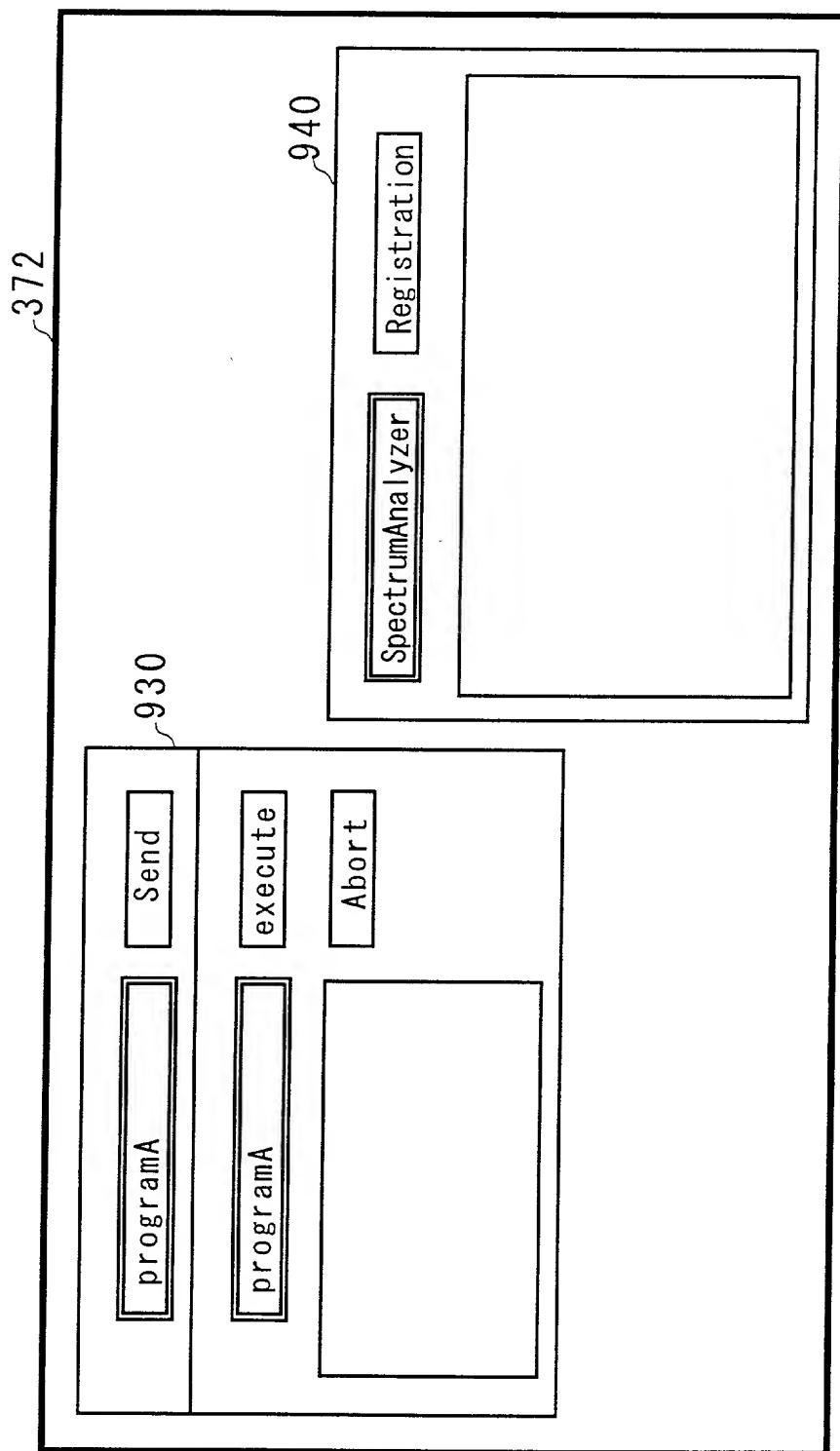


FIG . 18